

CFC RT# 28 84

<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Patent No.	6,448,381	
	Issued	September 10, 2002	
	First Named Inventor	DEUEL, Thomas, F.	
	Group Art Unit	1646	
	Examiner Name	Eyler, Yvonne, L.	
Total Number of Pages in This Submission	8	Attorney Docket Number	60019620-0003

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawings <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction Pursuant to 37 CFR 1.322 Certificate of Correction Return postcard
Remarks		<b>Certificate of Correction</b> OCT 29 2002

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	Michael T. Marrah
Signature	
Date	10-21-02, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service "First Class Mail to Address" in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 on <u>Oct 21</u> , 2002.			
Typed or printed name	Kathryn M. Barton	Date	Oct. 21, 2002
Signature			



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Examiner: EYLER, Yvonne, L.

DEUEL, Thomas, F. et al.

Patent No.: 6,448,381

Group Art Unit: 1646

Issued: September 10, 2002

For: DNA ENCODING HEPARIN  
BINDING GROWTH FACTORS

8.9  
# 928

FEE VALUE ACCOUNTABILITY	
DEPOSIT ACCOUNT NO.	
19	3140
FEE CODE	VALUE FURNISHED
1811	100.00

Attorney Docket: 60019620-0003

Assistant Commissioner for Patents  
Washington, DC 20231

**REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322**


Sir:

Transmitted herewith is a proposed Certificate of Correction for the above-captioned Letters Patent.

Patentee submits that the errors set forth in the proposed Certificate of Correction were made by the Patent and Trademark Office and no fee is due. If this is incorrect, please charge any necessary fees to Deposit Account No. 19-3140.

Patentee respectfully requests the issuance of the proposed Certificate of Correction.

Respectfully submitted,

  
Michael T. Marrah, Reg. No. 40,718  
SONNENSCHN NATH & ROSENTHAL  
P.O. Box #061080  
Wacker Drive Station  
Sears Tower  
Chicago, Illinois 60606-1080

01/20/2004 TLUU11 00000006 193140 6448381  
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# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO : 6,448,381

DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

AGATGTAAGA	TCCCCTGCAA	CTGGAAGAAG	CAATTTGGCG	CGGAGTGCAA	550
ATACCAGTTC	CAGGCCTGGG	GAGAATGTGA	CCTGAACACA	GCCCTGAAGA	600
CCAGAACTGG	AAGTCTGAAG	CGAGCCCTGC	ACAATGCCGA	ATGCCAGAAG	650
ACTGTCACCA	CTCCCAAGCC	CTGTGGCAAA	CTGACCAAGC	CCAAACCTCA	700
AGCAGAATCT	AAGAAGAAGA	AAAAGGAAGG	CAAGAAACAG	GAGAAGATGC	750
TGGATTAATA	GATGTCACCT	GTGGAACATA	AAAAGGACAT	CAGCAAACAG	800
GATCAGTTAA	CTATTGCATT	TATATGTACC	GTAGGCTTTG	TATTCAAAAA	850
TTATCTATAG	CTAAGTACAC	AATAAGCAAA	AACAAAAAGA	AAAAAAAAAA	900
AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	950
AAAAAAAAAA	A				961

MAILING ADDRESS OF SENDER: SONNENSCHN NATH & ROSENTHAL  
PO Box #061080, Wacker Drive Station-Sears Tower  
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PATENT NO. 6,448,381

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# CERTIFICATE OF CORRECTION

PATENT NO : 6,448,381

DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Add Claim 3 as follows:

3. A purified and isolated DNA sequence consisting of a sequence encoding bovine heparin binding growth factor of 168 amino acids having the following amino acid sequence:

Met Gln Thr Pro Gln Tyr Leu Gln Gln Arg Arg Lys Phe Ala Ala	15
Ala Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala	30
Glu Ala Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser	45
Asp Cys Gly Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly	60
Asp Cys Gly Leu Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu	75
Cys Lys Gln Thr Met Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn	90
Trp Lys Lys Gln Phe Gly Ala Glu Cys Lys Tyr Gln Phe Gln Ala	105
Trp Gly Glu Cys Asp Leu Asn Thr Ala Leu Lys Thr Arg Thr Gly	120
Ser Leu Lys Arg Ala Leu His Asn Ala Asp Cys Gln Lys Thr Val	135
Thr Ile Ser Lys Pro Cys Gly Lys Leu Thr Lys Ser Lys Pro Gln	150
Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly Lys Lys Gln Glu Lys	165
Met Leu Asp	168

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## CERTIFICATE OF CORRECTION

PATENT NO : 6,448,381

DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

The title should be replaced with "DNA ENCODING HEPARIN BINDING GROWTH FACTORS."

In Column 1, line 55, delete "." which appears after ";" and before "Zhan."

In Column 5, nucleotide 314 should be changed from "d" to "G."

In Column 5, line 62, the extra space which appears after "ity" should be removed.

In Column 10, line 6, add "." between "7.0" and "About."

In Table II, HBGF8 should be replaced with "95% GLY-LYS-LYS-GLU-LYS-PRO-GLU-LYS-LYS-VAL-LYS-LYS-SER-ASP-CYS-GLY-GLU-TRP-GLN-TRP-SER-VAL-CYS-VAL-PRO."

In Column 10, line 57, add a space after "5299" and before "(1979)."

NO In Column 12, line 23, replace "Thr" with "Ala"; replace "Pro" with "Gln"; and replace "Leu" with "Gln."

NO In Column 12, line 41, replace "Asp" with "Glu."

NO In Column 12, line 43, replace second "Ser" with "Pro."

NO In Column 12, line 48, add "purified and isolated" before "cDNA" and after "The" and replace "bovine" with "human."

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DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

AGAAACAGGA GAAGATGCTG GACTAAAAGC CACCACCTTC CGTGGACCAT 700  
 GAAAAGGACA TCAGCAAACA CGATCAGTTA ACTATTGCAT TTATATCTAC 750  
 CGTAGGCTTT TTATTCAAAA ATTATCTATA GCTTAAGTAC ACAATAGGCA 800  
 GAAACAAAAT GAAAAGAAAA ATTTTGTAGT AGCATTTTTT TTAAATGTAT 850  
 CAATATACCA TAGTACCACT AGGGACTTAT AATAGAGGAC TGTAATCCTA 900  
 TTTAGAATGT TGACTTATAG TACATGTAA GTGATAGAAA ACTGAGGTAA 950  
 GTTITTTGAA GTTATGTGAT ATTTTACATT ACATTTTTTT TTACATTTTT 1000  
 TTCTTTTGGC AGCAATTTAA ATGTTATGAC TATGTAACT ACTTCTCTTG 1050  
 TTAGGTAATT TTTTTCACCT AGACTTTATT TCCCAATTGA GAAAAATATC 1100  
 TACTAAACAA AGCAGCAATA AAATATGATC ATCCTATCTG AGGAAAATAT 1150  
 CTCTTTTCT GCCAGTGGAT TTTTAAAAA TTGTAGTCAA CAAAAT 1196

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PATENT NO : 6,448,381

DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et.al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

The sequence of Claim 2 should read:

GTCAAAGGCA	GGATCAGGTT	CCCCGCCTCC	CAGTCCAAAA	ATCCCGCCAA	50
GAGAGCCCCA	GAGCAGAGGA	AAATCCAAAG	TGGAGAGAGG	GGAAGAAAGA	100
GACCA GTGAG	TCATCCGTCC	AGAAGGCGGG	GAGAGCAGCA	GCGGCCCAAG	150
CAGGAGCTGC	AGCGAGCCGG	GTACCTGGAC	TCAGCGGTAG	CAACCTCGCC	200
CCTTGCAACA	AAGGCAGACT	GAGCGCCAGA	GAGGACGTTT	CCAAC TCAA	250
AATGCAGGCT	CAACAGTACC	AGCAGCAGCG	TCGAAAATTT	GCAGCTGCCT	300
TCTTGGCATT	CATTTTCATA	CTGGCAGCTG	TGGATACTGC	TGAAGCAGGG	350
AAGAAAGAGA	AACCAGAAAA	AAAAGTGAAG	AAGTCTGACT	GTGGAGAATG	400
GCAGTGGAGT	GTGTGTGTGC	CCACCA GTGG	AGACTGTGGG	CTGGGCACAC	450
GGGAGGGCAC	TCGGACTGGA	GCTGAGTCCA	AGCAAACCAT	GAAGACCCAG	500

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DATED : September 10, 2002

INVENTOR(S) : DEUEL, Thomas, F. et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Add Claim 4 as follows:

GAGTGGAGAG	AGTAGAAGAA	AGAGAGCAGG	GAGTCACCGG	GCGTGCAGGG	50
GCGGAGAGCA	GCGGCCGCCG	CGAGCACCAG	CGACTTGGGT	ACCTGGACTC	100
AGGGCAGAAA	AACCTCTCCC	GGATCAACAA	AGGCAGCCTG	AGCGCGCACC	150
GCTCTTTTGC	GACTCCAAAA	TGCAGACTCC	ACAGTACCTG	CAGCAACGTC	200
GAAAATTTGC	AGCTGCCTTT	TTGGCATTTA	TTTTCATCTT	GGCAGCTGTG	250
GACACCGCTG	AAGCAGGAAA	GAAAGAGAAA	CCAGAAAAGA	AGGTGAAGAA	300
GTCTGACTGT	GGAGAATGGC	AGTGGAGTGT	GTGTGTACCA	ACCAGTGGGG	350
ACTGTGGGCT	GGGCACCCGC	GAGGGCACCC	GTACCGGAGC	TGAGTGTAAG	400
CAAACCATGA	AGACCCAGAG	ATGTAAGATC	CCCTGCAACT	GGAAAAAGCA	450
ATTTGGAGCG	GAGTGCAAAT	ACCAGTTCCA	GGCCTGGGGA	GAATGTGATC	500
TGAACACGGC	TCTGAAGACC	CGAACTGGGA	GCCTGAAGCG	AGCCCTCCAC	550
AACGCCGACT	GCCAGAAGAC	AGTCACCATC	TCCAAGCCCT	GTGGCAAGCT	600
GACCAAGTCC	AAACCTCAAG	CAGAATCTAA	GAAGAAGAAA	AAGGAAGGCA	650

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